

FIG. 1

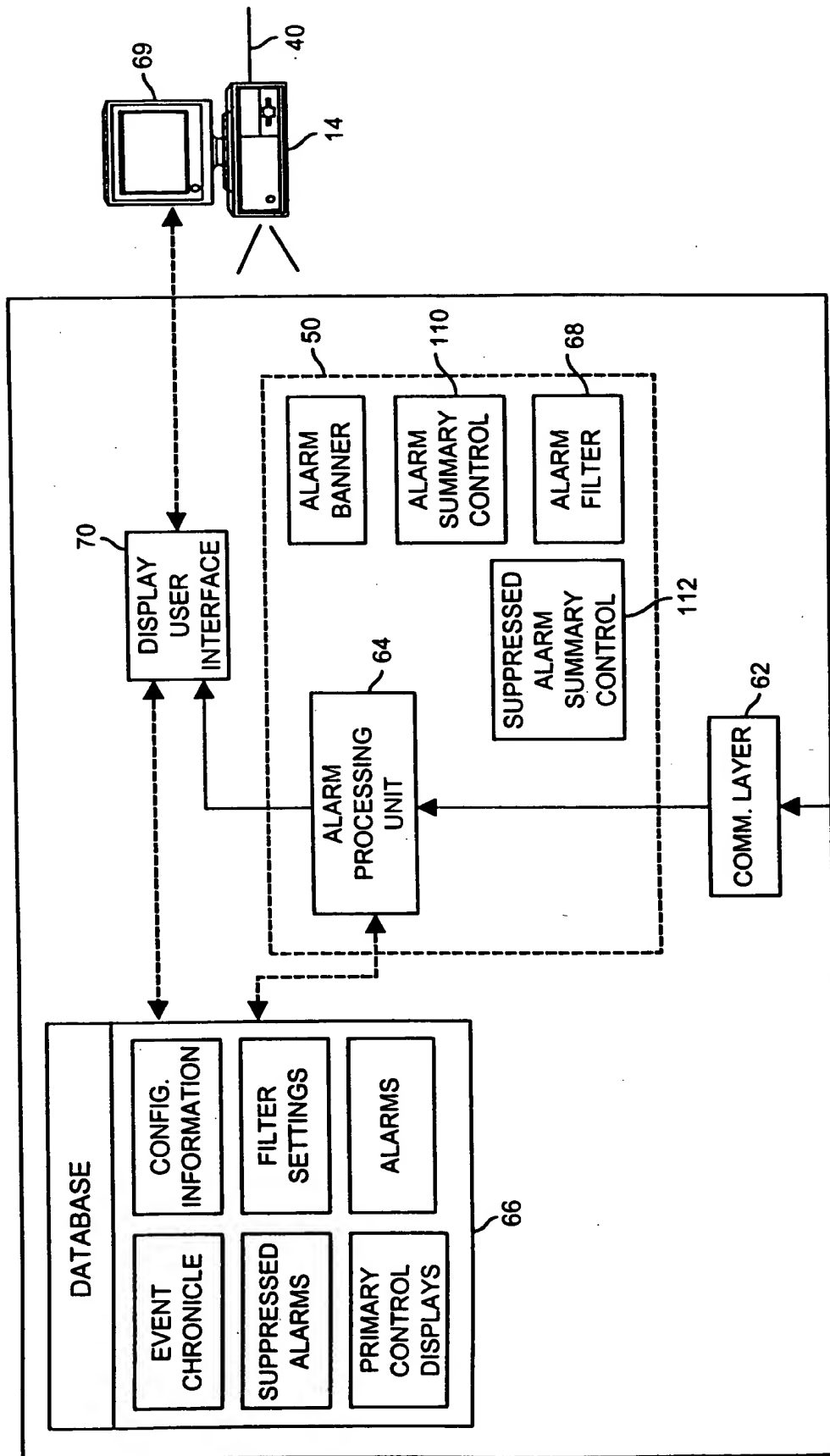
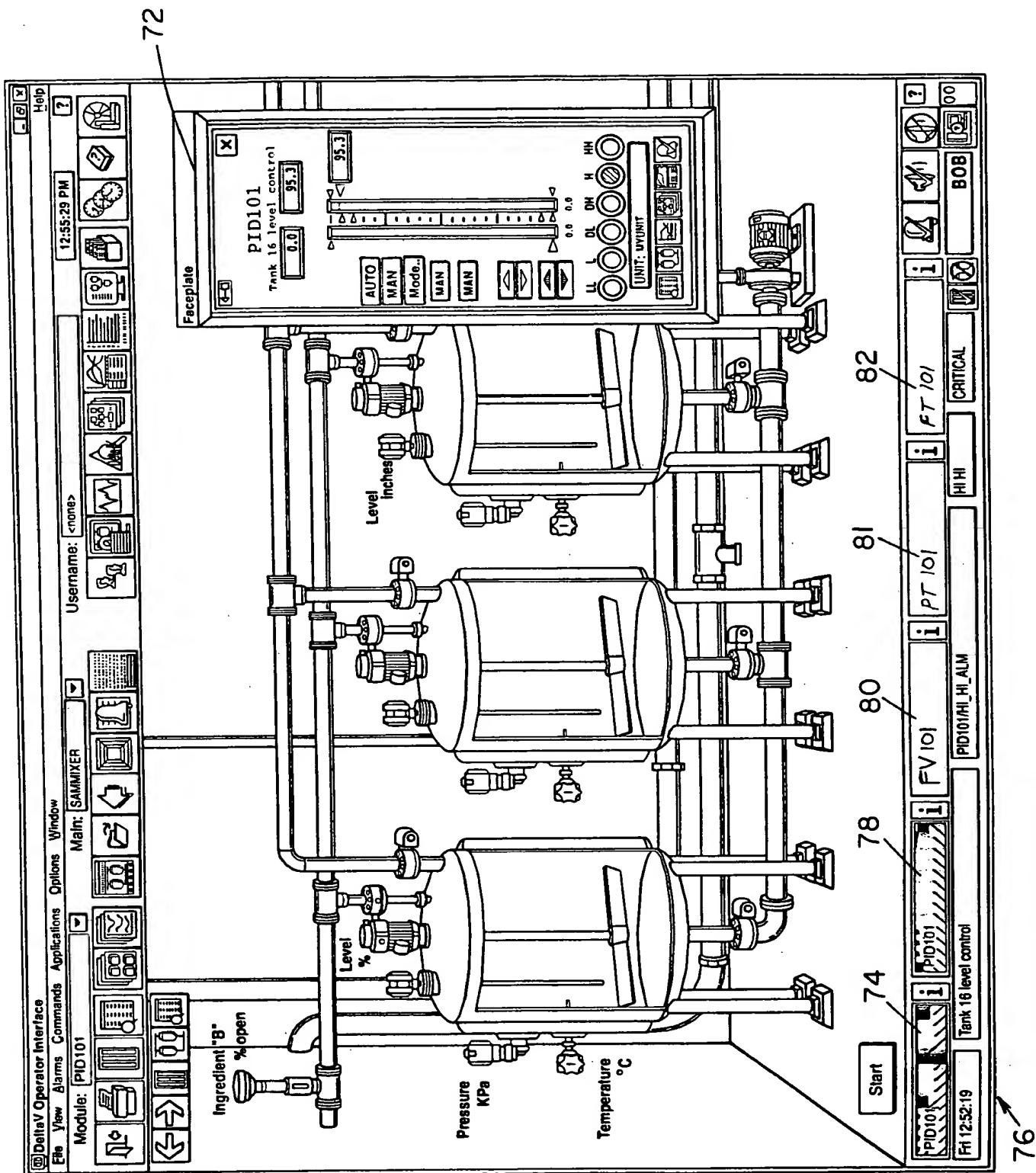


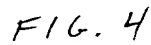
FIG. 2

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Docet No.: 30203/37386  
Title: Enhanced Hard Device Alerts in a  
Process Control System  
Inven: Evren Eryurek  
Sheet: (fig. 3)

FIG. 3





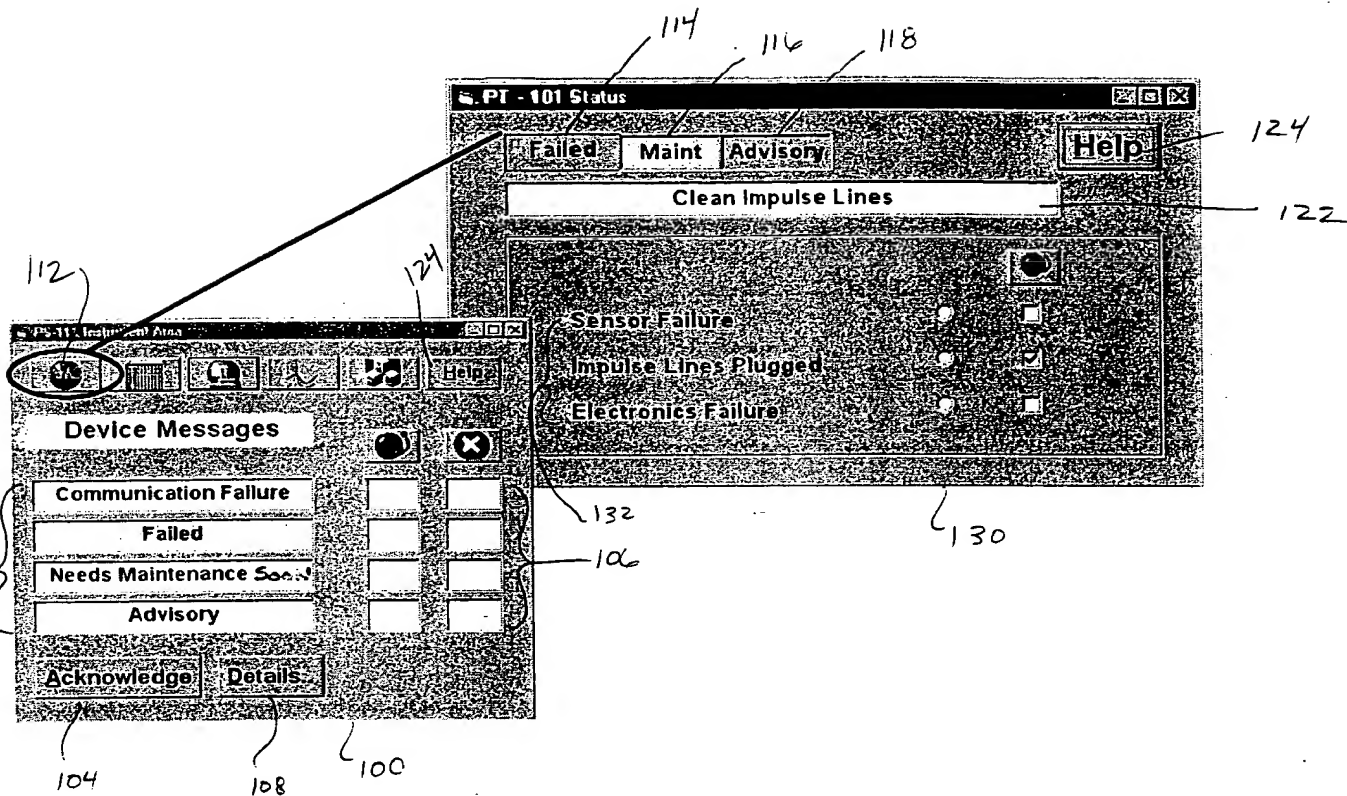


FIG. 5

#### Electrode Signal Fault Detected

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.

**WARNING:** The electrode compartment may contain line pressure. Removing the cover before depressurizing may result in death or serious injury.

2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.

3. Verify flowtube is electrically connected to the process with grounding rings with grounding straps, or lining protector with grounding straps.

Verify transmitter electronics with Model 8714 reference standard. The transmitter should be set at 9.1 m/s (30 ft/s). The transmitter should be set up with the nominal flowtube calibration number (0015010000000) and 5 Hz coil drive frequency.

Correctly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.

If electrode signal fault detection, go to the diagnostic screen in the transmitter block properties.

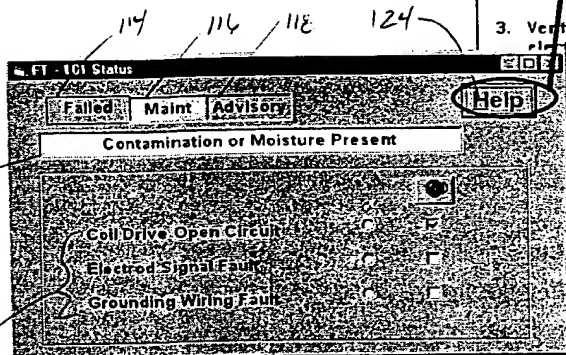


FIG. 6

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